



Resolute Forest Products – Catawba Mill  
5300 Cureton Ferry Road  
Post Office Box 7  
Catawba, SC 29704-0007

FED EX NO. 7760 9931 3133

April 14, 2016

Mr. Heinz Kaiser, Manager  
Air Toxics  
SCDHEC Bureau of Air Quality  
2600 Bull Street  
Columbia SC 29201-1708

Re: MACT II Excess Emissions and Monitoring System Performance Reports  
Air Permit No. TV-2440-0005

Dear Mr. Kaiser:

The purpose of this submittal is to meet the quarterly excess emission reporting requirements applicable to the Resolute Forest Products – Catawba Mill associated with the National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper Industry (40 CFR 63, Subpart MM). The sources covered under Subpart MM are the No. 2 Recovery Boiler, No. 3 Recovery Boiler, No. 2 and No. 3 Smelt Dissolving Tank Vent, and the No. 2 Lime Kiln. This submittal meets the requirements of the Excess Emissions and Continuous Monitoring System (CMS) Performance Report pursuant to Sections 63.867(c) and 63.10(c), respectively.

Excess emissions and CMS downtime for the reporting period were less than 1% and 5% respectively for all systems. Therefore, only the summary reports are attached as allowed in §63.10(e)(3)(vii). For SSM purposes when an emission has occurred, specific information about the type and duration is reported on the enclosed log(s). All SSM events were consistent with the SSM Plan.

Based on information and belief formed after reasonable inquiry, I certify to the best of my knowledge, that the statements and information in this submission are true, accurate, and complete.

If you have any questions or require additional information, please contact Mike Swanson, environmental engineer at (803) 981-8010 or [mike.swanson@resolutefp.com](mailto:mike.swanson@resolutefp.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'Scott Palmer', is written over a horizontal line.

Scott Palmer  
General Manager

Enclosures

cc: SCDHEC – BAQ, Technical Management Section  
Wesley Huss, Region 3 Lancaster EQC Office  
EPA Region 4  
Environmental File 232.13

## QUARTERLY REPORT SUMMARY

### GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

|  |  |
|--|--|
| Pollutant:                                       | Opacity  |
| Time Period:                                     | Minutes  |
| Reporting Period:                                | January 1, 2016 through March 31, 2016                     |
| Process Unit Description:                        | No. 2 Recovery Boiler                                      |
| Company:   | Resolute Forest Products – Catawba Mill                    |
| Emission Limits:                                 | 35%  |
| Monitor Manufacturer(s) and Model Number(s):     | Teledyne Monitor Labs / Light Hawk 560 Opacity Monitor     |
| Last CMS Certification or Audit Date:            | Certification: October 20, 2006<br>Audit: February 9, 2016 |
| Total Source Operating Time in Reporting Period: | 125,763 minutes  |

### EMISSION DATA SUMMARY

| Reason for Excess Emissions             | Duration (minutes) |                         |
|---|--------------------|-------------------------|
|   | Over 35%           | Over 20% for 60 minutes |
| A. Startup/Shutdown                     | 0                  | 0                       |
| B. Malfunctions                         |                    |                         |
| Process/Instrument System               | 0                  | 0                       |
| Control Equipment                       | 42                 | 962                     |
| Fuel Problems                           | 0                  | 0                       |
| Other Known Cause                       | 0                  | 0                       |
| Other Unknown Cause                     | 0                  | 0                       |
| Total Number of Incidents               | 3                  | 3                       |
| Excess Emissions/Process Operating Time | 0.03 %             | NA                      |

### CMS PERFORMANCE SUMMARY

| Reason for Monitor Downtime        | Duration (minutes) |
|------------------------------------|--------------------|
| Monitor Equipment Malfunctions     | 2011               |
| Non-Monitor Equipment Malfunctions | 0                  |
| Quality Assurance                  | 60                 |
| Other Known Cause                  | 0                  |
| Other Unknown Cause                | 0                  |
| Total Number of Incidents          | 56                 |
| Percent Monitor Downtime           | 1.65 %             |

There were no changes in the continuous monitoring systems, processes, or control devices since the last reporting period.

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Scott Palmer General Manager

Signature:

 4-14-16



## QUARTERLY REPORT SUMMARY

### GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

|  |  |
|--|--|
| Pollutant:                                       | Opacity  |
| Time Period:                                     | Minutes  |
| Reporting Period:                                | January 1, 2016 through March 31, 2016                   |
| Process Unit Description:                        | No. 3 Recovery Boiler                                    |
| Company:   | Resolute Forest Products – Catawba Mill                  |
| Emission Limits:                                 | 35%  |
| Monitor Manufacturer(s) and Model Number(s):     | Teledyne Monitor Labs / Light Hawk 560 Opacity Monitor   |
| Last CMS Certification or Audit Date:            | Certification: July 31, 2010<br>Audit: February 10, 2016 |
| Total Source Operating Time in Reporting Period: | 119,780 Minutes  |

### EMISSION DATA SUMMARY

| Reason for Excess Emissions             | Duration (minutes) |                         |
|---|--------------------|-------------------------|
|   | Over 35%           | Over 20% for 60 minutes |
| A. Startup/Shutdown                     | 0                  | 0                       |
| B. Malfunctions                         |                    |                         |
| Process/Instrument System               | 0                  | 0                       |
| Control Equipment                       | 96                 | 756                     |
| Fuel Problems                           | 0                  | 0                       |
| Other Known Cause                       | 0                  | 0                       |
| Other Unknown Cause                     | 0                  | 0                       |
| Total Number of Incidents               | 11                 | 6                       |
| Excess Emissions/Process Operating Time | 0.08 %             | NA                      |

### CMS PERFORMANCE SUMMARY

| Reason for Monitor Downtime        | Duration (minutes) |
|------------------------------------|--------------------|
| Monitor Equipment Malfunctions     | 177                |
| Non-Monitor Equipment Malfunctions | 0                  |
| Quality Assurance                  | 198                |
| Other Known Cause                  | 0                  |
| Other Unknown Cause                | 0                  |
| Total Number of Incidents          | 4                  |
| Percent Monitor Downtime           | 0.31 %             |

There were no changes in the continuous monitoring systems, processes, or control devices since the last reporting period.

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Scott Palmer General Manager

Signature:

 4-14-16

## QUARTERLY REPORT SUMMARY

### GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

|  |   |
|--|---|
| Pollutant:                                       | Opacity   |
| Time Period:                                     | Minutes   |
| Reporting Period:                                | January 1, 2016 through March 31, 2016                      |
| Process Unit Description:                        | No. 2 Lime Kiln   |
| Company:   | Resolute Forest Products – Catawba Mill                     |
| Emission Limits:                                 | 20%   |
| Monitor Manufacturer(s) and Model Number(s):     | Monitor Labs USI 550 Opacity Monitor                        |
| Last CMS Certification or Audit Date:            | Certification: October 27, 2012<br>Audit: February 12, 2016 |
| Total Source Operating Time in Reporting Period: | 117,420 Minutes   |

### EMISSION DATA SUMMARY

| Reason for Excess Emissions             | Duration (minutes) |                         |
|---|--------------------|-------------------------|
|   | Over 20%           | Over 20% for 60 minutes |
| A. Startup/Shutdown                     | 12                 | 0                       |
| B. Malfunctions                         |                    |                         |
| Process/Instrument System               | 0                  | 0                       |
| Control Equipment                       | 12                 | 0                       |
| Fuel Problems                           | 0                  | 0                       |
| Other Known Cause                       | 0                  | 0                       |
| Other Unknown Cause                     | 0                  | 0                       |
| Total Number of Incidents               | 2                  | 0                       |
| Excess Emissions/Process Operating Time | 0.02 %             | NA                      |

### CMS PERFORMANCE SUMMARY

| Reason for Monitor Downtime        | Duration (minutes) |
|------------------------------------|--------------------|
| Monitor Equipment Malfunctions     | 74                 |
| Non-Monitor Equipment Malfunctions | 0                  |
| Quality Assurance                  | 60                 |
| Other Known Cause                  | 30                 |
| Other Unknown Cause                | 0                  |
| Total Number of Incidents          | 7                  |
| Percent Monitor Downtime           | 0.14 %             |


There were no changes in the continuous monitoring systems, processes, or control devices since the last reporting period.

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Scott Palmer

General Manager

Signature:

 4-14-16



## QUARTERLY REPORT SUMMARY

### GASEOUS AND OPACITY EXCESS EMISSION AND CONTINUOUS MONITORING SYSTEM PERFORMANCE

|  |  |
|--|--|
| Pollutant:                                       | Particulate Matter   |
| Time Period:                                     | Hours  |
| Reporting Period:                                | January 1, 2016 through March 31, 2016   |
| Process Unit Description:                        | No. 2 and No. 3 Smelt Dissolving Tank Vent   |
| Company:   | Resolute Forest Products – Catawba Mill  |
| Emission Limits:                                 | 0.2 lbs/ton BLS  |
| Operating Parameters:                            | Differential Pressure > 1.5 inches of water column<br>Liquid Flow Rate > 65 gpm    |
| Monitor Manufacturer(s) and Model Number(s):     | DP – Rosemount 3051CD2A02A1AM5E55<br>Liquid Flow Rate – Foxboro IMT25PDADB10N-AB   |
| Last CMS Certification or Audit Date:            | Certification: August 3, 2004 (both)<br>Audits: 11/10/2015 (DP), 11/11/2015 (Flow) |
| Total Source Operating Time in Reporting Period: | 1,924 hours  |

### EMISSION DATA SUMMARY

| Reason for Excess Emissions               | Duration (hrs) |
|---|----------------|
| A. Startup/Shutdown                       | 0              |
| B. Malfunctions                           |                |
| Process System                            | 0              |
| Control Equipment                         | 0              |
| Other Known Cause                         | 0              |
| Other Unknown Cause                       | 0              |
| Total Number of Incidents                 | 0              |
| Excess Emissions / Process Operating Time | 0.00 %         |

### CMS PERFORMANCE SUMMARY

| Reason for Monitor Downtime        | Duration (hrs) |
|------------------------------------|----------------|
| Monitor Equipment Malfunctions     | 0              |
| Non-Monitor Equipment Malfunctions | 0              |
| Quality Assurance                  | 0              |
| Other Known Cause                  | 0              |
| Other Unknown Cause                | 0              |
| Total Number of Incidents          | 0              |
| Percent Monitor Downtime           | 0.00 %         |

There were no changes in the continuous monitoring systems, processes, or control devices since the last reporting period.

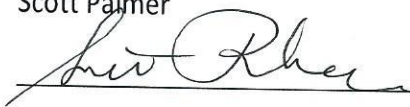
Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title:

Scott Palmer

General Manager

Signature:

 4-14-16



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# CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

Recovery Boiler No. 2

Reporting Period 1/1/16 to 3/31/16

Permit Conditions 5.C.07.2(A), 5.C.14, & MACT.5(A2)

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

| Incident No. | Date      | Start Time (am or pm) | % Opacity or ppm | Monitor (Check One) |     |    |                    | Nature and Cause of Incident           | Corrective Action                  |
|--------------|-----------|-----------------------|------------------|---------------------|-----|----|--------------------|--|------------------------------------|
|              |           |                       |                  | OPA                 | TRS | O2 | Duration (Minutes) |  |                                    |
| 1            | 1/2/2016  | 2:30 AM               | -                | x                   |     |    | 15                 | Out of alignment                       | Realigned monitor                  |
| 2            | 1/3/2016  | 10:18 AM              | -                | x                   |     |    | 402                | Bad optical board                      | Replaced board                     |
| 3            | 1/4/2016  | 2:30 AM               | -                | x                   |     |    | 30                 | Out of alignment                       | Realigned monitor                  |
| 4            | 1/10/2016 | 5:35 PM               | -                | x                   |     |    | 10                 | Out of alignment                       | Realigned monitor                  |
| 5            | 1/11/2016 | 10:00 AM              | -                | x                   |     |    | 20                 | Out of alignment                       | Realigned monitor                  |
| 6            | 1/11/2016 | 6:42 PM               | -                | x                   |     |    | 23                 | Out of alignment                       | Realigned monitor                  |
| 7            | 1/12/2016 | 10:25 AM              | -                | x                   |     |    | 20                 | Out of alignment                       | Realigned monitor                  |
| 8            | 1/12/2016 | 7:42 PM               | -                | x                   |     |    | 42                 | Out of alignment                       | Realigned monitor                  |
| 9            | 1/13/2016 | 10:00 AM              | -                | x                   |     |    | 15                 | Out of alignment                       | Realigned monitor                  |
| 10           | 1/13/2016 | 4:36 PM               | -                | x                   |     |    | 24                 | Out of alignment                       | Realigned monitor                  |
| 11           | 1/14/2016 | 10:33 PM              | -                | x                   |     |    | 51                 | Out of alignment                       | Realigned monitor                  |
| 12           | 1/15/2016 | 3:30 AM               | -                | x                   |     |    | 45                 | Out of alignment                       | Realigned monitor                  |
| 13           | 1/15/2016 | 7:36 AM               | -                | x                   |     |    | 84                 | Out of alignment                       | Realigned monitor                  |
| 14           | 1/18/2016 | 4:30 AM               | -                | x                   |     |    | 10                 | Out of alignment                       | Realigned monitor                  |
| 15           | 1/18/2016 | 12:58 PM              | -                | x                   |     |    | 9                  | Out of alignment                       | Realigned monitor                  |
| 16           | 1/19/2016 | 9:42 PM               | -                | x                   |     |    | 28                 | Out of alignment                       | Realigned monitor                  |
| 17           | 1/21/2016 | 11:24 AM              | -                | x                   |     |    | 41                 | Out of alignment                       | Realigned monitor                  |
| 18           | 1/22/2016 | 5:06 PM               | avg>20%          | x                   |     |    | 246                | Broken chain on North side of EP       | Repair chain and start up EP field |
| 19           | 1/22/2016 | 9:00 PM               | 37               | x                   |     |    | 12                 | Broken chain on North side of EP       | Repair chain and start up EP field |
| 20           | 1/22/2016 | 9:12 PM               | -                | x                   |     |    | 30                 | Out of alignment                       | Realigned monitor                  |
| 21           | 1/23/2016 | 12:36 PM              | avg>20%          | x                   |     |    | 240                | North side EP bypassed for maintenance | Completed work and returned to EP  |
| 22           | 1/24/2016 | 8:00 PM               | -                | x                   |     |    | 45                 | Out of alignment                       | Realigned monitor                  |
| 23           | 1/25/2016 | 10:24 AM              | -                | x                   |     |    | 21                 | Out of alignment                       | Realigned monitor                  |
| 24           | 1/31/2016 | 1:00 AM               | -                | x                   |     |    | 20                 | Out of alignment                       | Realigned monitor                  |
| 25           | 1/31/2016 | 11:15 AM              | -                | x                   |     |    | 10                 | Out of alignment                       | Realigned monitor                  |
| 1            | 2/5/2016  | 10:54 PM              | -                | x                   |     |    | 16                 | Out of alignment                       | Realigned monitor                  |
| 2            | 2/6/2016  | 12:36 PM              | -                | x                   |     |    | 42                 | Out of alignment                       | Realigned monitor                  |
| 3            | 2/7/2016  | 1:30 AM               | -                | x                   |     |    | 20                 | Out of alignment                       | Realigned monitor                  |
| 4            | 2/8/2016  | 8:18 AM               | -                | x                   |     |    | 48                 | Out of alignment                       | Realigned monitor                  |
| 5            | 2/8/2016  | 5:00 PM               | -                | x                   |     |    | 40                 | Out of alignment                       | Realigned monitor                  |
| 6            | 2/9/2016  | 5:24 AM               | -                | x                   |     |    | 12                 | Out of alignment                       | Realigned monitor                  |
| 7            | 2/9/2016  | 3:24 PM               | -                | x                   |     |    | 60                 | Quarterly calibration                  | Completed calibration              |
| 8            | 2/10/2016 | 2:48 PM               | -                | x                   |     |    | 146                | Out of alignment                       | Realigned monitor                  |
| 9            | 2/11/2016 | 2:48 PM               | -                | x                   |     |    | 30                 | Out of alignment                       | Realigned monitor                  |
| 10           | 2/12/2016 | 8:54 AM               | -                | x                   |     |    | 36                 | Out of alignment                       | Realigned monitor                  |
| 11           | 2/12/2016 | 12:00 PM              | -                | x                   |     |    | 15                 | Out of alignment                       | Realigned monitor                  |
| 12           | 2/12/2016 | 4:40 PM               | -                | x                   |     |    | 25                 | Out of alignment                       | Realigned monitor                  |
| 13           | 2/12/2016 | 9:15 PM               | -                | x                   |     |    | 15                 | Out of alignment                       | Realigned monitor                  |
| 14           | 2/13/2016 | 3:10 AM               | -                | x                   |     |    | 15                 | Out of alignment                       | Realigned monitor                  |
| 15           | 2/13/2016 | 4:36 AM               | -                | x                   |     |    | 39                 | Out of alignment                       | Realigned monitor                  |
| 16           | 2/14/2016 | 1:00 AM               | -                | x                   |     |    | 30                 | Out of alignment                       | Realigned monitor                  |
| 17           | 2/14/2016 | 9:06 AM               | -                | x                   |     |    | 64                 | Out of alignment                       | Realigned monitor                  |
| 18           | 2/15/2016 | 9:00 AM               | -                | x                   |     |    | 30                 | Out of alignment                       | Realigned monitor                  |
| 19           | 2/16/2016 | 1:30 AM               | -                | x                   |     |    | 20                 | Out of alignment                       | Realigned monitor                  |
| 20           | 2/17/2016 | 1:24 AM               | -                | x                   |     |    | 21                 | Out of alignment                       | Realigned monitor                  |
| 21           | 2/17/2016 | 11:48 PM              | -                | x                   |     |    | 15                 | Out of alignment                       | Realigned monitor                  |





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# CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

Recovery Boiler No. 2

Reporting Period 1/1/16 to 3/31/16

Permit Conditions 5.C.07.2(A), 5.C.14, & MACT.5(A2)

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

| Incident No. | Date      | Start Time (am or pm) | % Opacity or ppm | Monitor (Check One) |     |    |  | Duration (Minutes) | Nature and Cause of Incident      | Corrective Action                               |
|--------------|-----------|-----------------------|------------------|---------------------|-----|----|--|--------------------|-----------------------------------|---|
|              |           |                       |                  | OPA                 | TRS | O2 |  |                    |                                   |   |
| 22           | 2/18/2016 | 12:36 PM              | -                | x                   |     |    |  | 30                 | Out of alignment                  | Realigned monitor                               |
| 23           | 2/23/2016 | 8:43 AM               | -                | x                   |     |    |  | 17                 | Out of alignment                  | Realigned monitor                               |
| 24           | 2/23/2016 | 10:06 AM              | -                | x                   |     |    |  | 39                 | Out of alignment                  | Realigned monitor                               |
| 25           | 2/23/2016 | 12:12 PM              | -                | x                   |     |    |  | 13                 | Out of alignment                  | Realigned monitor                               |
| 26           | 2/24/2016 | 5:54 PM               | -                | x                   |     |    |  | 21                 | Out of alignment                  | Realigned monitor                               |
| 27           | 2/25/2016 | 8:45 PM               | -                | x                   |     |    |  | 15                 | Out of alignment                  | Realigned monitor                               |
| 28           | 2/26/2016 | 2:00 PM               | -                | x                   |     |    |  | 36                 | Out of alignment                  | Realigned monitor                               |
| 29           | 2/29/2016 | 1:06 PM               | avg>20%          | x                   |     |    |  | 476                | North side of ESP grounded        | Cut air, called maint. And opened outlet damper |
| 30           | 2/29/2016 | 3:00 PM               | 45               | x                   |     |    |  | 12                 | North side of ESP grounded        | Cut air, called maint. And opened outlet damper |
| 1            | 3/2/2016  | 8:30 AM               | -                | x                   |     |    |  | 19                 | Out of alignment                  | Realigned monitor                               |
| 2            | 3/3/2016  | 1:42 PM               | -                | x                   |     |    |  | 18                 | Out of alignment                  | Realigned monitor                               |
| 3            | 3/3/2016  | 10:48 PM              | -                | x                   |     |    |  | 72                 | Out of alignment                  | Realigned monitor                               |
| 4            | 3/7/2016  | 5:40 AM               | -                | x                   |     |    |  | 15                 | Out of alignment                  | Realigned monitor                               |
| 5            | 3/7/2016  | 9:20 AM               | -                | x                   |     |    |  | 15                 | Out of alignment                  | Realigned monitor                               |
| 6            | 3/25/2016 | 5:49 PM               | -                | x                   |     |    |  | 27                 | Out of alignment                  | Realigned monitor                               |
| 7            | 3/31/2016 | 8:00 PM               | 80               | x                   |     |    |  | 18                 | ESP Breaker tripped on South Side | Reset ESP                                       |
|              |           |                       |                  |                     |     |    |  |                    |                                   |   |
|              |           |                       |                  |                     |     |    |  |                    |                                   |   |
|              |           |                       |                  |                     |     |    |  |                    |                                   |   |
|              |           |                       |                  |                     |     |    |  |                    |                                   |   |
|              |           |                       |                  |                     |     |    |  |                    |                                   |   |

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Scott Palmer

General Manager

Signature:

*Scott Palmer* 4-18-16



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5300 Cureton Ferry Road  
Post Office Box 7  
Catawba, SC 29704-0007

# CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

Recovery Boiler No. 3

Permit Conditions 5.C.07.3, 5.C.07.12, 5.C.15, & MACT.5(A2)

Reporting Period 1/1/16 to 3/31/16


This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

| Incident No. | Date      | Start Time (am or pm) | % Opacity or ppm | Monitor (Check One) |     |    |                    | Nature and Cause of Incident                  | Corrective Action  |
|--------------|-----------|-----------------------|------------------|---------------------|-----|----|--------------------|---|--|
|              |           |                       |                  | OPA                 | TRS | O2 | Duration (Minutes) |   |  |
| 1            | 1/19/2016 | 5:30 PM               | 53               | x                   |     |    | 6                  | West inlet EP not loading up                  | Closed East inlet gate to blow out west side of EP                                 |
| 2            | 1/22/2016 | 9:06 AM               | avg>20%          | x                   |     |    | 156                | West inlet EP not loading up, #19 rapper down | Cut back on liquor and air flow, worked on #19 rapper                              |
| 3            | 1/25/16   | 1:06 AM               | avg>20%          | x                   |     |    | 150                | Low fields on EP                              | Changed air and liquid temperature, checked rapper                                 |
| 1            | 2/4/16    | 8:00 AM               | -                | x                   |     |    | 10                 | Out of alignment                              | Realigned monitor  |
| 2            | 2/10/16   | 2:54 PM               | -                | x                   |     |    | 198                | Quarterly Calibration                         | Completed calibration  |
| 3            | 2/11/16   | 11:12 AM              | avg>20%          | x                   |     |    | 186                | EP Field issues                               | Reduced air, Maint. Worked on fields and EP gates                                  |
| 4            | 2/11/16   | 3:00 PM               | 41               | x                   |     |    | 6                  | EP Field issues                               | Reduced air, Maint. Worked on fields and EP gates                                  |
| 5            | 2/11/16   | 3:12 PM               | avg>20%          | x                   |     |    | 132                | EP Field issues                               | Reduced air, Maint. Worked on fields and EP gates                                  |
| 6            | 2/11/16   | 4:06 PM               | 70               | x                   |     |    | 24                 | EP Field issues                               | Reduced air, Maint. Worked on fields and EP gates                                  |
| 7            | 2/11/16   | 7:18 PM               | -                | x                   |     |    | 132                | Environmental 360 working on monitors         | Completed work   |
| 8            | 2/20/16   | 1:18 AM               | 39               | x                   |     |    | 6                  | Lost inlet field westside of ESP              | Reset field, closed ESP gate for 60 seconds.                                       |
| 9            | 2/20/16   | 2:42 AM               | 41               | x                   |     |    | 6                  | Lost inlet field westside of ESP              | Closed ESP gate, cut back on liquor, changed air, called Maint. To replace a fuse. |
| 10           | 2/20/16   | 2:54 AM               | 36               | x                   |     |    | 6                  | Lost inlet field westside of ESP              | Closed ESP gate, cut back on liquor, changed air, called Maint. To replace a fuse. |
| 11           | 2/22/16   | 4:06 AM               | avg>20%          | x                   |     |    | 72                 | Issues with ESP                               | Changed air, cut back on liquor  |
| 12           | 2/22/16   | 3:12 PM               | 37               | x                   |     |    | 6                  | ESP west inlet field tripped                  | Pulled liquor and decreased air, called maintenance to reset fields                |
| 13           | 2/22/16   | 10:00 PM              | 66               | x                   |     |    | 18                 | Blowing out ESP                               | Completed blow out   |
| 14           | 2/22/16   | 10:12 PM              | avg>20%          | x                   |     |    | 60                 | Blowing out ESP                               | Completed blow out   |
| 15           | 2/22/16   | 10:48 PM              | 48               | x                   |     |    | 6                  | Blowing out ESP                               | Completed blow out   |
| 16           | 2/29/16   | 9:45 AM               | -                | x                   |     |    | 35                 | Reading low                                   | Ran zero set, OK   |
| 1            | 3/15/16   | 6:12 AM               | 40               | x                   |     |    | 6                  | ESP west inlet not loading up                 | Cut back on liquor and air   |
| 2            | 3/15/16   | 6:36 AM               | 41               | x                   |     |    | 6                  | ESP west inlet not loading up                 | Cut back on liquor and air   |

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Scott Palmer General Manager

Signature:

 4-14-16





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TV

# CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

Lime Kiln No. 2

Reporting Period 1/1/16 to 3/31/16

Permit Conditions 5.C.07.2(A), 5.C.07.12(B), 5.C.17(A), & MACT.5(A2)

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

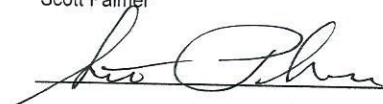
| Incident No. | Date    | Start Time (am or pm) | % Opacity or ppm | Monitor (Check One) |     |    |  | Duration (Minutes) | Nature and Cause of Incident | Corrective Action                                     |
|--------------|---------|-----------------------|------------------|---------------------|-----|----|--|--------------------|------------------------------|---|
|              |         |                       |                  | OPA                 | TRS | O2 |  |                    |                              |   |
| 1            | 1/4/16  | 6:10 PM               | -                | x                   |     |    |  | 26                 | Not reading correctly        | Ran full calibration                                  |
| 1            | 2/3/16  | 1:18 PM               | -                | x                   |     |    |  | 30                 | Heavy Rain storm             | Storm passed, I/E cleaned lens                        |
| 2            | 2/12/16 | 1:00 PM               | -                | x                   |     |    |  | 60                 | Quarterly Calibration        | Completed calibration                                 |
| 3            | 2/24/16 | 8:00 AM               | -                | x                   |     |    |  | 6                  | Gas analyzer failed          | Called E/I to correct                                 |
| 4            | 2/24/16 | 12:36 PM              | -                | x                   |     |    |  | 6                  | Gas analyzer failed          | Called E/I to correct                                 |
| 5            | 2/24/16 | 1:00 PM               | -                | x                   |     |    |  | 6                  | Gas analyzer failed          | Called E/I to correct                                 |
| 6            | 2/28/16 | 5:00 AM               | -                | x                   |     |    |  | 30                 | Lens needed cleaning         | Cleaned lenses and stack hole                         |
| 1            | 3/29/16 | 1:12 AM               | 27               | x                   |     |    |  | 12                 | Mud bypassing kiln, start-up | Stopped bypassing kiln, put mud on kiln               |
| 2            | 3/29/16 | 2:30 PM               | 47               | x                   |     |    |  | 12                 | ESP tripped                  | Put ESP in bypass, called I/M to get ESP back on line |
|              |         |                       |                  |                     |     |    |  |                    |                              |   |
|              |         |                       |                  |                     |     |    |  |                    |                              |   |
|              |         |                       |                  |                     |     |    |  |                    |                              |   |

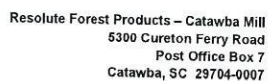
Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Scott Palmer

General Manager

Signature:

 3-14-16



**SIP, NSPS**

## Smelt Dissolving Tank Vent Scrubber

Reporting Period 1/1/16 to 3/31/16

Permit Conditions 5.C.07.2; 07.B.MACT.5

This report is for variations outside of surrogate monitoring parameters or permit exception conditions.

| Incident No.  | Date | Start Time (am or pm) | Parameter                    | Duration (Minutes) | Nature and Cause of Incident | Corrective Action |
|---|------|-----------------------|------------------------------|--------------------|------------------------------|-------------------|
|   |      |                       | Pump Pressure, Flow, delta P |                    |                              |                   |
|   |      |                       |                              |                    |                              |                   |
| There were no excursion events or downtime during the month of January 2016.  |      |                       |                              |                    |                              |                   |
|   |      |                       |                              |                    |                              |                   |
| There were no excursion events or downtime during the month of February 2016. |      |                       |                              |                    |                              |                   |
|   |      |                       |                              |                    |                              |                   |
| There were no excursion events or downtime during the month of March 2016.    |      |                       |                              |                    |                              |                   |
|   |      |                       |                              |                    |                              |                   |

Based on data provided, reasonable inquiry, and the best of our knowledge, we believe that the above information is true and correct.

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

General Manager

Signature:

Scott Palmer  
General Manager  
*Scott Palmer* 4-14-16